

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/013007

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01D29/62

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 B01D C07K B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | WO 94/00217 A (SHURDOV MIKHAIL ARKADIEVICH ; SOKOLOV ANATOLY VASILIEVICH (RU)) 6 January 1994 (1994-01-06) abstract; figures ----- | 1,2,5-10 |
| X | EP 1 346 758 A (MALMKVIST AB O) 24 September 2003 (2003-09-24) abstract; claims; figures paragraph '0009! - paragraph '0012! ----- | 1,2,5-10 |
| A | US 6 320 025 B1 (CHANG HENG WEI ET AL) 20 November 2001 (2001-11-20) the whole document ----- | 1,2,5,7 |
| A | WO 00/66258 A (FINDON ROGER JOHN ; THOMAS IAN GEORGE (GB); AVECIA LTD (GB); WELLIN) 9 November 2000 (2000-11-09) the whole document ----- | 1 |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

7 February 2005

Date of mailing of the International search report

15/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Hilt, D

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/013007

| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
|--|----|------------------|--|---|--|--|
| WO 9400217 | A | 06-01-1994 | RU WO | 2033843 C1 9400217 A1 | | 30-04-1995 06-01-1994 |
| EP 1346758 | A | 24-09-2003 | SE EP SE US | 519369 C2 1346758 A2 0200859 A 2003178376 A1 | | 18-02-2003 24-09-2003 18-02-2003 25-09-2003 |
| US 6320025 | B1 | 20-11-2001 | | NONE | | |
| WO 0066258 | A | 09-11-2000 | AU AU CA CN EP WO JP | 771056 B2 4129200 A 2370669 A1 1349428 T 1185361 A2 0066258 A2 2002542927 T | | 11-03-2004 17-11-2000 09-11-2000 15-05-2002 13-03-2002 09-11-2000 17-12-2002 |